

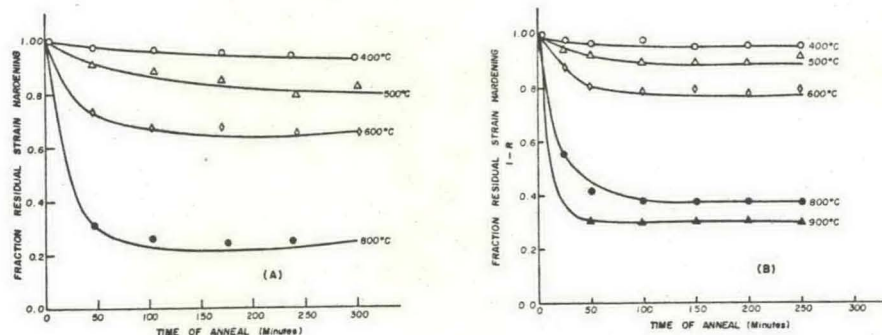


Figure 1 Isothermal recovery curves for shock deformed Fe-Mn, (a) 90 kb (b) 300 kb,

TABLE I

Resistivity Changes and Estimated Point Defect Concentrations

<u>P (kb)</u>	<u>$\Delta\rho_{III}(\mu\Omega\text{-cm})$</u>	<u>$\Delta\rho_{IV}(\mu\Omega\text{-cm})$</u>	<u>$\Delta\rho_V(\mu\Omega\text{-cm})$</u>
90	0.78×10^{-2}	0.85×10^{-2}	1.62×10^{-2}
150	0.85×10^{-2}	0.91×10^{-2}	2.50×10^{-2}
300	0.97×10^{-2}	0.92×10^{-2}	2.90×10^{-2}
500	1.15×10^{-2}	1.05×10^{-2}	2.98×10^{-2}

<u>P</u>	<u>$C_i(\text{Interstitials})$</u>	<u>$C_v(\text{Vacancy})$</u>	<u>$C_d(\text{Dislocations})$</u>
90	$.78 \times 10^{-5}$	2.91×10^{-5}	1.54×10^{10}
150	$.85 \times 10^{-5}$	3.13×10^{-5}	2.40×10^{10}
300	$.97 \times 10^{-5}$	3.30×10^{-5}	2.78×10^{10}
500	1.15×10^{-5}	3.78×10^{-5}	2.88×10^{10}